

*Right for today,
ready for tomorrow*

IBM Personal System/2: Facts and Features



IBM

April 1989

Use this handy reference to make quick comparisons of Personal System/2[®] models—and check their options, too. It presents basic facts and features—as well as attachment cards and enhancement products—for the entire PS/2[®] family.

Personal System/2 model comparisons



| Personal System/2 Model | 25 | 30 | 30 286 | 50 |
|---------------------------------------|---|--------------------------|--------------------------|----------------|
| Machine numbers | 8525-001, -004, -G01, -G04 ¹ | 8530-001, -021 | 8530-E01, -E21 | 8530-E01, -E21 |
| Processor | | | | |
| Type | 8086 | 8086 | 80286 | 80386 |
| Speed (MHz) | 8 | 8 | 10 | 10 |
| Wait states | 0 | 0 | 1 | 0 |
| User memory (RAM)³ | | | | |
| Standard-maximum on system board | 512Kb-640Kb | 640Kb | 0.5Mb-4Mb | 1Mb-4Mb |
| System maximum (addressable) | 640Kb | 640Kb | 16Mb | 16Mb |
| Integrated functions | | | | |
| Parallel/serial/pointing device ports | Yes | Yes | Yes | Yes |
| Graphics port | MCGA | MCGA | VGA | VGA |
| Disk/diskette controllers | Yes | Yes | Yes | Yes |
| Clock/calendar | N/A | Yes | Yes | Yes |
| Security password | No | No | Yes | Yes |
| Expansion slots (available) | 2 ⁴ | 3 | 3 | 3 |
| Operating systems | | | | |
| DOS 3.3 and DOS 4.0 | Yes | Yes | Yes | Yes |
| Operating System/2 [™] | No | No | Yes ⁵ | Yes |
| AIX [™] Personal System/2 | No | No | No | No |
| Diskette drives, 3.5-inch | | | | |
| Capacity | 720Kb | 720Kb | 1.44Mb | 1.44Mb |
| Quantity standard | 1 | 1 | 1 | 1 |
| Fixed disk storage | | | | |
| Standard-maximum (Mb) | 0-20 | 0-30 (-001) 20 (-021) | 0-30 (-E01) 20 (-E21) | 30-60 |

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[™] Operating System/2 and AIX are trademarks of International Business Machines Corporation. 80386SX is a trademark of Intel Corporation.

¹ Also available as LAN Station Models 25-L01 and -L04.

² Except -A21 with 64Kb memory cache.

³ 128Kb of this memory is reserved for hardware system use on Models 55 SX, 70 386, 80-111 and -311.

⁴ One full-size, one 8-inch.

⁵ Standard Edition 1.1 or Extended Edition 1.1 (entry-level environment only).

⁶ Model 8555-061 will be supported by a future release of AIX PS/2. Release availability will be announced in third quarter of 1989.



| 50 Z | 55 SX | 60 | 70 386 | 80 386 |
|---------------------------------|---------------------------------|---------------------------------|--|---|
| 8550-031, -061 | 8555-031, -061 | 8560-041, -071 | 8570-E61, -121, -A21 | 8580-041, -071, -111, -311 |
| 80286 10 | 80386SX™ 16 | 80286 10 | 80386 16 (-E61) 20 (-121) 25 (-A21) | 80386 16 (-041, -071) 20 (-111, -311) |
| 0 | 0-2 | 1 | 0-2 ² | 1 (-041, -071) 0-2 (-111, -311) |
| 1Mb-2Mb | 2Mb-4Mb | 1Mb | 1Mb-6Mb (-E61) 2Mb-6Mb (-121) 2Mb-8Mb (-A21) | 1Mb-2Mb (-041) 2Mb (-071) 2Mb-4Mb (-111, -311) |
| 16Mb | 16Mb | 16Mb | 16Mb | 16Mb |
| Yes VGA Yes Yes Yes | Yes VGA Yes Yes Yes | Yes VGA Yes Yes Yes | Yes VGA Yes Yes Yes | Yes VGA Yes Yes Yes |
| 3 | 3 | 7 | 3 | 7 |
| Yes Yes No | Yes Yes Yes ⁵ | Yes Yes No | Yes Yes Yes | Yes Yes Yes |
| 1.44Mb 1 | 1.44Mb 1 | 1.44Mb 1 | 1.44Mb 1 | 1.44Mb 1 |
| 30 (-031) 60 (-061) | 30 (-031) 60 (-061) | 44-88 (-041) 70-185 (-071) | 60 (-E61) 120 (-121, -A21) | 44-88 (-041) 70-384 (-071) 115-429 (-111) 314-628 (-311) |

PS/2 options

| Personal System/2 Model | 25 | 30 | 30 286 | 50 Z | 55 SX | 60 | 70 386 | 80 386 |
|---|----|----|--------|------|-------|----|--------|--------|
| IBM device/feature | | | | | | | | |
| 8087 Math Co-Processor | ■ | ■ | | | | | | |
| 80287 Math Co-Processor | | | ■ | ■ | | ■ | | |
| 80387SX Math Co-Processor | | | | | ■ | | | |
| 80387 Math Co-Processor | | | | | | | ■ | ■ |
| 128Kb Memory Expansion | ■ | | | | | | | |
| 2Mb Expanded Memory Adapter | ■ | ■ | | | | | | |
| Multifunction Adapter | | | ■ | | | | | |
| 80286 Memory Expansion | | | | ■ | | ■ | | |
| 0-8Mb Expanded Memory Adapter/A | | | | ■ | ■ | ■ | | |
| 2-8Mb 80286 Memory Expansion | | | | ■ | ■ | ■ | | |
| 80386 Memory Expansion | | | | | | | ■ | ■ |
| 2-8Mb 80386 Memory Expansion | | | | | | | ■ | ■ |
| 3.5-inch 720Kb Diskette Drive | ■ | ■ | | | | | | |
| 3.5-inch 1.44Mb Diskette Drive | | | ■ | ■ | ■ | ■ | ■ | ■ |
| 3.5-inch 20Mb Fixed Disk | ■ | ■ | ■ | | | | | |
| 3.5-inch 30Mb Fixed Disk | | ■ | ■ | | | | | |
| 5.25-inch 44Mb Fixed Disk | | | | | | ■ | | ■ |
| 3.5-inch 60Mb Fixed Disk | | | | ■ | | | | |
| 5.25-inch 70Mb Fixed Disk | | | | | | ■ | | ■ |
| 5.25-inch 115Mb Fixed Disk | | | | | | ■ | | ■ |
| 3.5-inch 120Mb Fixed Disk | | | | | | | ■ | |
| 5.25-inch 314Mb Fixed Disk | | | | | | | | ■ |
| 5.25" Internal Diskette Drive | | | | | | ■ | | ■ |
| 5.25" External Diskette Drive (360Kb) | ■ | ■ | | ■ | ■ | ■ | ■ | ■ |
| 5.25" External Diskette Drive (1.2Mb) | | | | ■ | ■ | ■ | ■ | ■ |
| PS/2 Data Migration Facility | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 6157 Streaming Tape Drive | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Internal Tape Backup Unit | | | | ■ | ■ | ■ | ■ | ■ |
| 8503 Monochrome Display | | ■ | ■ | | ■ | ■ | ■ | ■ |
| 8507 Monochrome Display | | | ■ | | ■ | ■ | ■ | ■ |
| 8512 Color Display | | ■ | ■ | | ■ | ■ | ■ | ■ |
| 8513 Color Display | | ■ | ■ | | ■ | ■ | ■ | ■ |
| 8514 Color Display | | ■ | ■ | | ■ | ■ | ■ | ■ |
| Display Adapter | | ■ | | | | | | |
| Display Adapter 8514/A | | | | ■ | | ■ | ■ | ■ |
| PS/2 Mouse | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| PC Music Feature | ■ | ■ | ■ | | | | | |
| PS/2 Speech Adapter | ■ | | | | | | | |
| Game Control Adapter | ■ | ■ | ■ | | | | | |
| Serial/Parallel Adapter | ■ | ■ | ■ | | | | | |
| 300/1200 Internal Modem/A | | | | ■ | ■ | ■ | ■ | ■ |
| Multi-Protocol Adapter/A | | | | ■ | ■ | ■ | ■ | ■ |
| Dual Async Adapter/A | | | | ■ | ■ | ■ | ■ | ■ |
| BSC Communications Adapter | ■ | ■ | | | | | | |
| SDLC Communications Adapter | ■ | ■ | ■ | | | | | |
| 5250 Emulation Adapter | ■ | ■ | ■ | | | | | |
| 5250 Emulation Adapter/A | | | | ■ | ■ | ■ | ■ | ■ |
| 3270 Emulation Adapter | ■ | ■ | ■ | | | | | |
| 3270 Connection | | | | ■ | ■ | ■ | ■ | ■ |
| Display Station Emulation Adapter | ■ | ■ | ■ | | | | | |
| Display Station Emulation Adapter/A | | | | ■ | ■ | ■ | ■ | ■ |
| PC Network Adapter II | ■ | ■ | ■ | | | | | |
| PC Network Adapter II/A | | | | ■ | ■ | ■ | ■ | ■ |
| PC Network Baseband Adapter | ■ | ■ | ■ | | | | | |
| PC Network Baseband Adapter/A | | | | ■ | ■ | ■ | ■ | ■ |
| PC Network Adapter II Frequency 2 | ■ | ■ | | | | | | |
| PC Network Adapter II Frequency 3 | ■ | ■ | | | | | | |
| PC Network Adapter II/A Frequency 2 | | | | ■ | ■ | ■ | ■ | ■ |
| PC Network Adapter II/A Frequency 3 | | | | ■ | ■ | ■ | ■ | ■ |
| Token-Ring Network PC Adapter | ■ | ■ | ■ | | | | | |
| Token-Ring Network PC Adapter II | ■ | ■ | ■ | | | | | |
| Token-Ring Network Adapter/A | | | | ■ | ■ | ■ | ■ | ■ |
| Token-Ring 16/4 Adapter/A | | | | ■ | ■ | ■ | ■ | ■ |
| Token-Ring Network Trace and Performance Adapter II | ■ | ■ | ■ | | | | | |
| Token-Ring Network Trace and Performance Adapter II/A | | | | ■ | ■ | ■ | ■ | ■ |

Additional cards and options are available—consult your IBM marketing representative or IBM Authorized Dealer.



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